

Skimmers

SkimmersThe skimmer is attached to the bottom of the F.A.P. Plus ZW™ pump and is used to separate the product from the water in the well. The skimmer is a necessary part of the F.A.P. Plus and F.A.P. Plus ZW pumps and must be ordered separately. Three types of skimmers are available: standard, high-viscosity, and density.

HOW DO I SELECT THE MOST APPROPRIATE SKIMMING SYSTEM?

Important elements in choosing a F.A.P. Plus ZW™ system are:

- Water table fluctuations
- Product viscosity
- Type of product
- Well diameter
- Amount of product present
- Depth from bottom of well to product/water interface



Standard Skimmer

PRODUCT CODE: TR-517 / TR-51711 / TR-51718

Is used to recover gasoline, jet fuel and most diesel fuels. It combines a density float, hydrophobic element, product bypass screen, hollow guide rod and coiled hose. The center guide rod allows the skimmer to travel freely in response to the water table changes. The skimmer is designed to float with the inlet positioned at the water/product interface, providing 24 or 36 inches of skimmer travel.

The hydrophobic element is made of a special porous plastic with a pore size that will allow only product to pass. The bypass screen on top of the hydrophobic element allows the product to enter the skimmer directly when greater than 2 inches.

TR-517 / 51711 F.A.P. Plus ZW™ Standard Skimmer 5 lb	
Dimensions	1 in-OD x 67-in long. Fits 2-in and larger wells
Materials	UHMW polyethylene, stainless steel, PVC urethane tubing, hydrophobic material, brass fittings and Nylon
Float	UHMW polyethylene, S.G. 0.95
TR-517 Travel	36 in (Min. depth of 24 in required)*
TR-51711 Travel	24 in (Min. depth of 18 in required)*
903801	Hydrophobic element replacement



High Viscosity Skimmer

PRODUCT CODE: TR-70410

The High Viscosity Skimmer Is used when the product has a viscosity higher than 80 SSU, such as oils. The 4-in high viscosity skimmer uses the same design as the TR-517, less the hydrophobic and bypass screen. The skimmer has 30-in of travel and a specific gravity of 0.95, allowing it to float at the water/product interface. The product collects on top of the skimmer inlet and from there it is pumped to the surface. In normal applications, the skimmer will remove product down to a product layer of 1/4 in to 1/2 in. The skimmer can be adjusted in the field to remove the product even further and attain a thinner layer.

TR-70410 F.A.P. Plus ZW™ High Viscosity Skimmer	
Dimensions	1 3/4 in-OD x 67 in long
Materials	UHMW polyethylene, stainless steel, urethane tubing, brass fittings and PVC.
Float	UHMW polyethylene, S.G. 0.95
Travel	30in



Density Skimmers

PRODUCT CODE: TR-702 / 704 / 706 / 712

Density skimmers are used when there is less than 18 inches of fluid from the bottom of the well to the water/product interface. These skimmers have a specific gravity of 0.95 and float in the water with the top inlet just above the product/water interface. The 2-in, 4-in and 6-in sizes are for use in well casings with these nominal inside diameters. The 11.5-in model is self-supporting and may be used in large diameter wells, open excavations and open water applications.

Note: Density skimmers are not Zero Water (ZW) compatible, therefore it is essential that either the F.A.P. Plus ZW conversion kit (TR-51699) or F.A.P. Plus pump (TR-516) be purchased.

TR-702 / 704 / 706 / 712 F.A.P. Plus Density Skimmer	
TR-702 Dimensions	1.65-in dia.
TR-704 Dimensions	3.5-in dia.
TR-706 Dimensions	5.5-in dia.
TR-712 Dimensions	11.5-in dia.
Float	UHMW polyethylene, S.G. 0.95
Inlet Screen	Stainless steel mesh
Coil	Polyurethane tubing
Effective Travel	Up to 24 in
TR-51699 F.A.P. Plus ZW Conversion Kit	10-32 plug, 1/8 in-OD plug